

PATENT ABSTRACTS OF JAPAN

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(54) OPTICAL RECORDER AND REPRODUCER

(57)Abstract:

PURPOSE: To attain a low output by performing optical modulation with a low output oscillation through the use of a small-sized laser light source as a signal recording light source and providing an optical path of the light source to obtain signals for reproduction and control so that the amount of light of laser light source can not be lost.

CONSTITUTION: A light beam (a) from a light source 2 is made incident to the center of an aperture lens 5 and a minute spot light P is formed on a recording medium 6. A means for recording information on the recording medium 6 with the spot light P and a means which makes a light beam (b) from a light source 10 incident to a position shifted toward the information track from the center of the lens 5 forms a minute spot light Q on the recording medium 6 detects a reflected light (c) from the recording medium 6 for the spot light Q through the provision of both the light sources 2 and 10 so that both the spot lights Q and P are on the same information track of the recording medium 6 and the minute spot light P is preceding to the spot Q and obtains a reproduced signal from the recording medium 6 are provided. A signal recorded on the recording medium 6 with the minute spot light P is monitored with a minute spot light Q.

